

## Contributors to This Issue

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**Robert J. Dow**, B.S. (Physics), 1959, University of Massachusetts; M.S. (Communication Theory), 1961, Northeastern University; Bell Laboratories, 1959—. Mr. Dow has been involved in the design and development of thin film components. His current work includes the evaluation of laser machining for thin and thick film applications.

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**Robert A. Friedenson**, B.E.E., 1965, M.S., 1966, and Ph.D., 1969, Cornell University; Bell Laboratories, 1969—. Mr. Friedenson was engaged in the design and development of RC active filters for PCM channel banks. In 1971 he was appointed supervisor of a group responsible for computer aids to circuit design and testing. His current interests include computer aids to digital system simulation, PCM repeater design, and analog and digital circuit simulation and testing. Member, IEEE, Eta Kappa Nu, Tau Beta Pi.

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**D. Gloge**, Dipl. Ing., 1961, Dr. Ing., 1964, Technical University of Braunschweig, Germany; Bell Laboratories, 1965—. Mr. Gloge's work has included the design and field testing of various optical transmission media and the application of ultra-fast measuring techniques to optical component studies. He is presently engaged in transmission research related to optical fiber communication systems.

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**Otto Herrmann**, Dipl.-Ing (Electrical Engineering), 1956, and Dr.-Ing. (Electrical Engineering), 1965, University of Aachen, Germany; *venia legendi*, 1971, University of Erlangen, Nuremberg, Germany. Mr. Herrmann has worked on problems concerning approximation theory as applied to analog and digital filter design. From 1959 to 1971 he was a Teaching and Research Assistant at the University of Aachen, University of Karlsruhe, and University of Erlangen. He was at Bell Laboratories during the summer of 1972 on leave from the Technical Faculty at the University of Erlangen. Presently, he teaches courses in communications, analog computation, and digital signal processing at the University of Erlangen. Member, Nachrichtentechnische Gesellschaft.

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**D. L. Jagerman**, B.E.E., 1949, Cooper Union; M.S., 1954, and Ph.D. (Mathematics), 1962, New York University; Bell Laboratories, 1964—. Mr. Jagerman has been engaged in mathematical research on numerical quadrature theory, interpolation, mathematical properties of pseudorandom number generators, dynamic programming, approximation theory, and widths and entropy with application to the storage and transmission of information. His recent work concerns the theory of queuing systems and its applications to telephone traffic problems. Member, Pi Mu Epsilon.

**Patricia H. McDonald**, B.A. (Mathematics), 1963, Trinity College, Washington, D. C.; M.A.T., 1964, University of Massachusetts; Bell Laboratories, 1964—. Mrs. McDonald has developed computer programs for general purpose optimization, tolerance analysis applications, switched network analysis, and simulation of digital systems. She has recently been involved with the design of an interactive filter synthesis program.

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